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Attorney Docket No. 10559-230001
Serial No.: 09/675,279
Amendment dated December 17, 2003
Reply to Office Action dated September 17, 2003

Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently amended) A method comprising:

specifying bandwidths for multiple layers of digital video as specified bandwidths;

forming multiple layers of digital video enhancement data, where each of said multiple layers having a respective said specified to achieve bandwidth requirements for the respective layers.

2. (Original) The method of claim 1 wherein forming a layer of video enhancement data further comprises:

selecting a threshold value based upon the bandwidth requirements; and

generating a layer of video enhancement data based upon the threshold value.

3. (Original) The method of claim 2 further comprising:

transmitting the layer of video enhancement data over a digital communication channel; and

transmitting the threshold value over the digital communication channel.

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4. (Currently amended) An article comprising a computer-readable medium which stores computer-executable instructions for video data processing, the instructions causing a machine to:

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specifying bandwidths for multiple layers of digital video;
form multiple layers of digital video enhancement data,
where each of said multiple layers having a respective specified
to achieve bandwidth requirements for the respective layers.

5. (Original) The article of claim 4 wherein forming a layer of video enhancement data further comprises:

selecting a threshold value based upon the bandwidth requirements; and

generating a layer of video enhancement data based upon the threshold value.

6. (Original) The article of claim 5, the instructions further causing the machine to:

transmit the layer of video enhancement data over a digital communication channel; and

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transmit the threshold value over the digital communication channel.

7. (Currently amended) A method comprising:
processing layers of digital video enhancement data to enhance a base video signal, the layers having substantially equal amounts of bandwidth requirements.

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8. (Cancelled)

9. (Original) The method of claim 7 wherein the base video signal comprises a picture, and wherein each processed layer enhances the entire picture.

10. (Currently amended) An article comprising a computer-readable medium which stores computer-executable instructions for video data processing, the instructions causing a machine to:

process layers of digital video enhancement data to enhance a base video signal, the layers having approximately equal bandwidth requirements.

11. (Cancelled)

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12. (Original) The article of claim 10 wherein the base video signal comprises a picture, and wherein each processed layer enhances the entire picture.

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CD 13. (Currently amended) A method comprising:
receiving a layer of digital video enhancement data that achieves a bandwidth requirement;
receiving a threshold value corresponding to the layer,
wherein the layer comprises a '1' bit for each magnitude greater than or equal to the threshold value;
transmitting the threshold value over the digital communication channel[[,]]; and
transmitting the layer over a digital communication channel.

14. (Original) The method of claim 13, wherein the layer of digital video enhancement data is a first layer of digital video enhancement data that achieves a first bandwidth requirement, the method further comprising:

receiving a second layer of digital video enhancement data that achieves a second bandwidth requirement, wherein the first

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bandwidth requirement is not equal to the second bandwidth requirement, and

transmitting the second layer over the digital communication channel.

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15. (Cancelled)

16. (Currently amended) An article comprising a computer-readable medium which stores computer-executable instructions for video data processing, the instructions causing a machine to:

receive a layer of digital video enhancement data that achieves a bandwidth requirement;

receive a threshold value corresponding to the layer,
wherein the layer comprises a '1' bit for each magnitude greater than or equal to the threshold value; and

transmit the threshold value over the digital communication channel[[,]]; and

transmit the layer over a digital communication channel.

17. (Original) The article of claim 16, wherein the layer of digital video enhancement data is a first layer of digital

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video enhancement data that achieves a first bandwidth requirement, the instructions further causing a machine to:

receive a second layer of digital video enhancement data that achieves a second bandwidth requirement, wherein the first bandwidth requirement is not equal to the second bandwidth requirement, and

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transmit the second layer over the digital communication channel.

18. (Cancelled)

19. (Currently amended) A method comprising:

generating from a source video sequence a digital base video signal;

generating from the source video sequence a body of digital video enhancement data; and

generating from the body of digital video enhancement data [[a]] plural layers of digital video enhancement data, ~~the layer~~ achieving which each satisfy a specified bandwidth requirement.

20. (Original) The method of claim 19, wherein the body of digital video enhancement data includes a plurality of

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magnitudes, and wherein generating a layer of digital video enhancement data comprises:

selecting a threshold value; and
forming a layer of digital video enhancement data comprising a '1' bit for each magnitude greater than or equal to the threshold value.

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21 - 30. (Cancelled)

Kindly add the following new claims.

31. (New) A method as in claim 1, wherein said specifying comprises specifying a single bandwidth for each of said multiple layers.

32. (New) A method as in claim 31, wherein said forming comprises forming multiple layers which have digital ones and digital zeros, and wherein each of said multiple layers include substantially the same number of digital ones.

33. (New) An article as in claim 4, wherein said instructions to specify comprise specifying a single bandwidth for each of the multiple layers.

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34. (New) An article as in claim 33, wherein said instructions to form comprise forming multiple layers which have digital ones and digital zeros, and wherein each of the layers has a substantially similar number of digital ones.

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COL 35. (New) A method as in claim 7, wherein each of said layers are digital values having substantially the same number of digital ones.

36. (New) A method as in claim 13, wherein each of said layers are digital values having substantially the same number of digital ones.

37. (New) An article as in claim 16, wherein said receive comprises receiving layers of digital enhancement data that each include substantially the same number of digital ones.

38. (New) A method as in claim 19, wherein the specified bandwidth is substantially the same bandwidth for each of the plural layers.

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39. (New) A method as in claim 38, wherein each of the plural layers comprises a digital value with substantially the same number of digital ones.